

Claims Amendments

Claims 1-4 (canceled)

Claim 5 (original) A system that converts existing manure pits, i.e. lagoons into anaerobic digesters by covering the pit with an airtight diaphragm secured to a concrete beam where diaphragm is kept under a negative pressure.

Claim 6 (original) A system according to claim 5 that protects against environmental contamination, by removing the danger of the diaphragm being lifted by biogases in flood stage.

Claim 7 (original) A system according to claim 5 where the concrete beam is plumbed to receive waste, to pump off biogas, to provide for effluent overflow, and to remove finished slurry

Claim 8 (currently amended) A system according to claim 5 where biogas is pumped off into storage and an emergency photovoltaic pump located on vent is used during flood stage to keep diaphragm under vacuum.

Claims 9-17 (canceled)